

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 08015261
PUBLICATION DATE : 19-01-96

APPLICATION DATE : 24-06-94
APPLICATION NUMBER : 06142760

APPLICANT : B M L:KK;

INVENTOR : ITO MAYUMI;

INT.CL. : G01N 33/543 G01N 33/543

TITLE : PRODUCTION OF MATERIAL FOR IMMUNITY MEASUREMENT

ABSTRACT : PURPOSE: To stabilize a carrier in which glutamic acid decarboxylase is fixed for a long duration and provide excellent reproducibility by freeze-drying the carrier in the presence of a solution of a glutamic acid decarboxylase stabilizing agent.

CONSTITUTION: Glutamic acid decarboxylase(GAD) may be one which reacts with GAD existing in the blood of a human being and derived from pancreas cells by antigen-antibody reaction and the GAD derived from a mammal is used. An enzyme immunoassay and a particle coagulation reaction can be applied to fix GAD in a carrier. A carrier in which GAD is fixed is, for example, treated for blocking by albumin, serum of a cow, etc. Monosaccharide, e.g. sorbitol, etc., disaccharide, e.g. trehalose, etc., are used for a glutamic acid decarboxylase stabilizing agent. The stabilizing agent is added to the carrier in which GAD is fixed in an aqueous solution condition. Then the GAD carrier is freeze-dried together with the stabilizing agent solution.

COPYRIGHT: (C)1996,JPO

BEST AVAILABLE COPY